ABSTRACT

A process for manufacturing a PTFE filament including the steps of extrusion, stretching, heating and cutting, and a PTFE filament obtained by the process. The process includes prior to extrusion: providing a receptacle having rigid side walls; arranging a first mixture (A) containing PTFE filler, and a second mixture (B) containing PTFE, inside the receptacle, side by side and aligned with the side walls; and pressing the first and mixtures in a direction parallel to the side walls to form a billet in which the first and second mixtures (A, B) have different coefficients of friction. Thereafter, the billet is extruded to form a strand, which is subsequently stretched, heated, rolled and cut by known processes in the art to form a PTFE filament, having one side with a filler and the other side without filler, so that these sides have different coefficients of friction.